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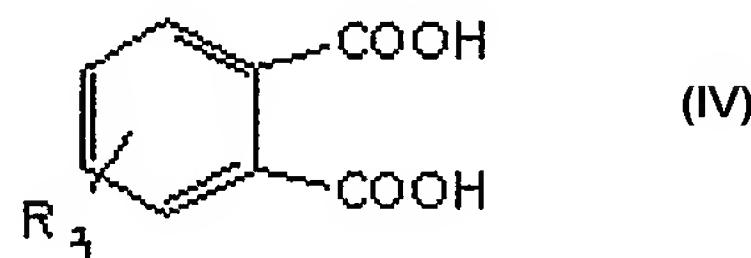
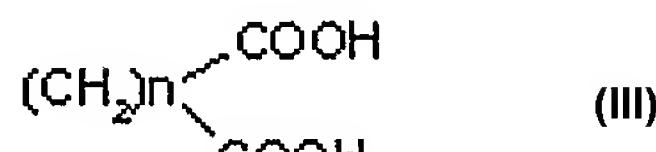
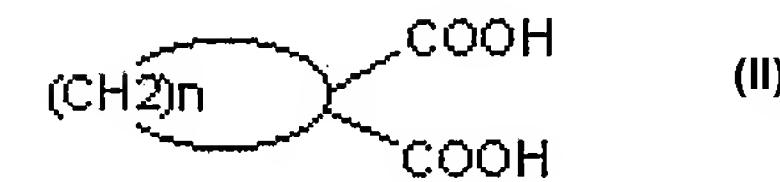
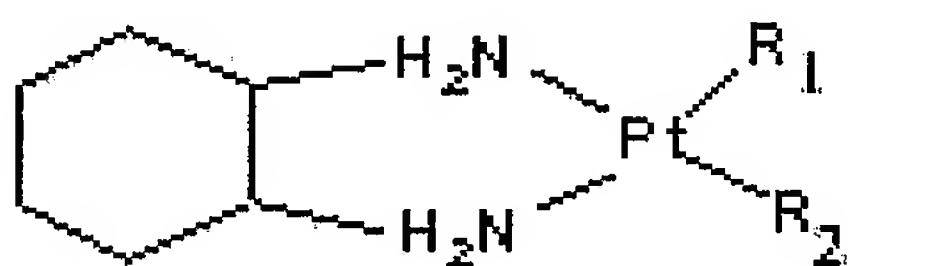
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(54) Title: A PROCESS FOR THE PREPARATION OF AN ANTI-TUMOR PLATINUM (II) - COMPLEX



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(57) Abstract: We disclose here processes for making Platinum complex of general formula (I) where in , the conformation of 1,2-diaminocyclohexane is cis, trans-1 or trans-d isomer and R₁ and R₂ combinedly make dicarboxylic acid having formulae (II),(III) and (IV), here in, the two carboxylic acid groups are on the same or on vicinal carbon atoms, n is zero or an integer ranging from 1 to 5 and R₃ is either hydrogen or a substituent with electron withdrawing or electron releasing effects exemplified by alkoxy, halo, and nitro groups by reacting a compound of formula M₂PtX₄ wherein X represents halogen atom such as Cl or Br or thiocyanate with (i) 1,2-diaminocyclohexane (ii) source of silver ion selected from a silver compound containing divalent anion in presence of a corresponding carboxylic acid of formula (II) or (III) or (IV) to get the compound of formula (I), purifying the said compound by treating with alkali metal iodide and isolating the title compound by any conventional methods. The preparation of the said compound involves, for the first time, the intermediate formation of cis-Diiodo-trans-1,2-diaminocyclohexane platinum(II) and biscarboxylato-trans-1,2-diaminocyclohexane platinum(II).



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.